

Kills 99.9% of Cryptosporidium* using dual-wavelength (185/254 nm) UV to produce ozone and hydroxyl radicals

Supplemental and/or secondary disinfection, as recommended by the CDC Model Aquatic Health Code (MAHC)

Reduces irritating chloramines significantly, improving indoor air quality and swimmer comfort

Low-pressure UV bulbs (185/254 nm) provide sterilization and oxidation with little or no impact on chlorine level



Simple plug-and-play design is easy to navigate and conserves energy with 120V power input

Lightweight construction uses Schedule 80 PVC and 316L stainless steel for simple installation and maintenance

Extended lamp life rated for 13,000 hours, more than double the time for comparable medium-pressure systems

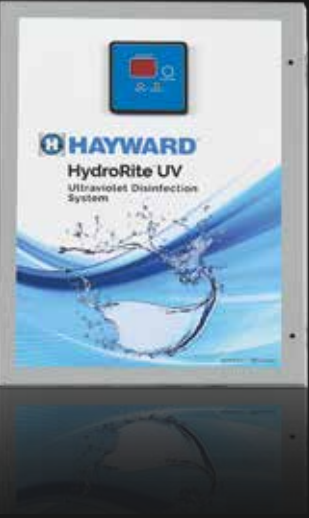
*HydroRite UV Secondary Disinfection Systems are certified to achieve a minimum inactivation equivalent of 3 log (99.9%) Cryptosporidium Parvum in accordance with NSF 50 and the US EPA UV DGM.



HydroRite UV[®]

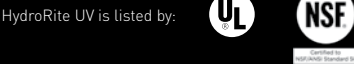
Ultraviolet Disinfection Systems

SECONDARY & SUPPLEMENTAL SANITIZATION
FOR COMMERCIAL AQUATICS



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BIG PROTECTION FOR YOUR LITTLEST GUESTS.

ELIMINATE 99.9%* OF PATHOGENS FOR 100% PEACE OF MIND.

HydroRite UV utilizes ultraviolet light, ozone and hydroxyl radicals to create triple-acting disinfection power that inactivates 99.9%* of waterborne pathogens—including ones resistant to traditional chlorine. The U.S. Centers for Disease Control (CDC) recommends UV or ozone for supplemental disinfection in every commercial pool, and there’s no better choice than the all-in-one protection of HydroRite UV when it comes to the safety of your guests.

HydroRite UV Secondary Disinfection Systems are certified to kill 99.9%* of cryptosporidium, a chlorine-resistant microorganism and leading cause of recreational waterborne illness hospitalizations.

TECHNICAL SPECIFICATIONS		SUPPLEMENTAL DISINFECTION SYSTEMS	
PART NUMBER	HYR75	HYR150	HYR400
Sanitization	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	17" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Union inlet/outlet	3" Union inlet/outlet	4" Union inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Ozone Production	12 grams per hour	25 grams per hour	48 grams per hour
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	61 GPM	133 GPM	352 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
Cable Length	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp	8.25 ft. from ballast to lamp
Safety System	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator	Pressure and flow safety shutoff Thermal limit shutoff Safety cover removal sensor Audible and/or LED error indicator
Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months

MAX POOL SIZE SATISFIED WITH ONE UNIT				95% UV TRANSMITTANCE		
PART NUMBER	MAX FLOW RATE (GPM)	@30 MINS (GALLONS)	@6 HRS (GALLONS)	@8 HRS (GALLONS)	MAX FLOW RATE @45MJ/CM² EOL*	MAX FLOW RATE @60MJ/CM²
HYR75/HYR75L4	61	1,830	21,960	29,280	61 GPM	61 GPM
HYR150/HYR150L4	133	3,990	47,880	63,840	133 GPM	133 GPM
HYR400/HYR400L4	352	10,560	126,720	168,960	352 GPM	352 GPM

TECHNICAL SPECIFICATIONS		SECONDARY DISINFECTION SYSTEMS	
PART NUMBER	HYR75L4	HYR150L4	HYR400L4
Sanitization	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria	>3-log removal of <i>Cryptosporidium</i> Protozoa, <i>E. faecium</i> and <i>P. aeruginosa</i> bacteria
Certifications	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2	NSF50 UL 1081/1563 CSA C22.2
Electrical Enclosure Dimensions	17" H x 13" W x 6.5" D	17" H x 13" W x 6.5" D	21" H x 17" W x 6.5" D
Vessel Dimensions	6" Column Diameter 46" L x 11" H	8" Column Diameter 48" L x 13" H	10" Column Diameter 46" L x 19" H
Carton Weight	196 lbs.	236 lbs.	350 lbs.
Housing Inlet/Outlet	2" Flange inlet/outlet	3" Flange inlet/outlet	4" Flange inlet/outlet
Reaction Chamber Style	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining	Schedule 80 PVC 316SS Interior Lining
Power Input	120VAC, 60Hz, 2.0 Amps	120VAC, 60Hz, 3.0 Amps	120VAC, 60Hz, 5.0 Amps
Flow Sensor	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch	2" Magnetic with embedded reed switch
UV Lamps	1 Lamp	2 Lamps	4 Lamps
Lamp Wavelengths	254nm/185nm	254nm/185nm	254nm/185nm
Lamp Life	13,000 hours	13,000 hours	13,000 hours
Ozone Production	12 grams per hour	24 grams per hour	48 grams per hour
Operating Temp. Rating	40°F to 104°F	40°F to 104°F	40°F to 104°F
Amp Draw	1.2	2.4	4.8
Hz	60	60	60
Vessel Rated Pressure	50 psi	50 psi	50 psi
Rated Flow-rate for Efficacy	61 GPM	133 GPM	352 GPM
Installation Environment	Indoor/outdoor use	Indoor/outdoor use	Indoor/outdoor use
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Warranty	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months	Vessel 1 year** Lamp 6 months
Display	Touch menu driven with m² or mW/cm² UV intensity	Touch menu driven with m² or mW/cm² UV intensity	Touch menu driven with m² or mW/cm² UV intensity
Operating Measurements	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature	Flow rate, individual lamp intensity and vessel water temperature
Auxiliary Relay	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM	Low voltage dry contact alarm relay — NO/NC/COM

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*End of Life

**Excluding lamps, quartz sleeves and stainless steel insert